

MATERIAL SAFETY DATA SHEET

Laser 3030

Last Updated November 12, 2010

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Laser 3030**

Company Identification: **Primrose Oil Company, Inc.**

www.primrose.com

11444 Denton Drive
P.O. Box 29665
Dallas, Texas 75229 USA
1-972-241-1100 (For product information)
1-800-633-8253 (For Emergencies Only)

Notice: This mixture does contain a toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372:
Trimethylbenzene CAS# 95-63-6 <4%, 2-Butoxyethanol, CAS# 111-76-2 <15%, Benzene CAS#108-67-8 <2%, Toluene CAS#108-88-3 <1%, Naphthalene CAS#91-20-3 <1%, Ethylbenzene CAS#100-41-4 <2%

2. COMPOSITION / INFORMATION ON INGREDIENTS

CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>	<u>OSHA PEL (TWA)</u>	<u>ACGIH TWA</u>
Kerosene	60 -80%	64742-81-0	NE	NE
Additive	Proprietary	Mixture	NE	NE
2-Butoxyethanol	<15%	111-76-2	50 ppm	20 ppm

Balance of above ingredients are non-hazardous or hazardous in less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

CALIFORNIA PROP 65: This product does contain an ingredient(s), above the safe harbor limits, which are known to the state of California to cause cancer, birth defects, or other reproductive harm.
Benzene CAS#71-43-2, Naphthalene CAS#91-20-3, Ethylbenzene CAS#100-41-4, Toluene CAS#108-88-3.

HAZARDS DISCLOSURE: This product does contain known hazardous materials in reportable levels as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains known hazardous materials.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER! COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF INHALED. HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWINESS. EXPOSURE MAY CAUSE IRRITATION TO SKIN. HARMFUL OR FATAL IF SWALLOWED. PULMANARY ASPIRATION HAZARD. CONTAINS MATERIAL OR MATERIALS THAT MAY CAUSE CANCER BASED ON ANIMAL DATA.

HMIS/NFPA Rating: See Section 16

POTENTIAL HEALTH EFFECTS

ROUTES OF ENTRY: Skin, Eyes, Inhalation, Ingestion.

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TARGET ORGANS: Skin. Respiratory System

INHALATION: Causes irritation to the nose and throat. Concentrations above the TLV may cause headache, dizziness, nausea, or shortness of breath.

INGESTION: This product is harmful or fatal if swallowed. Pulmonary aspiration hazard.

SKIN CONTACT: Contact with skin may cause mild irritation. Symptoms include redness, itching, and pain.

EYE CONTACT: Vapors can irritate the eyes. Splashes cause pain and irritation.

CHRONIC EXPOSURE: None known.

AGGRAVATION OF PRE-EXISTING CONDITIONS: Persons with pre-existing eye, skin disorders or impaired respiratory function may be more susceptible to the effects of the substance.

4. FIRST AID MEASURES

INHALATION FIRST AID: If breathing difficulty develops, remove victim to fresh air. Provide oxygen if breathing continues to be difficult. If not breathing, give artificial respiration, preferably mouth to mouth. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT FIRST AID: If contact occurs wash skin with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse. GET MEDICAL ATTENTION IF IRRITATION OCCURS.

EYE CONTACT FIRST AID: If contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes lifting upper and lower eyelids occasionally. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION FIRST AID: Induce vomiting ONLY as directed by medical personnel. Never give anything by mouth to an unconscious person. Pulmonary aspiration hazard. If vomiting occurs keep head below waist to prevent entry into the lungs. GET MEDICAL ATTENTION IMMEDIATELY.

NOTE TO PHYSICIANS: Treat symptoms.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

AUTO IGNITION TEMPERATURE: >444°F Estimated

FLASH POINT: 142°F Minimum.

FLAMMABLE LIMITS IN AIR, % by Volume: lel: 0.7%; uel: 5.0%

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam. Water spray may be used to keep fire exposed containers cool, dilute spills to non-flammable mixtures.

FIRE & EXPLOSION HAZARDS: Do not use forced stream as this could cause fire to spread.

SPECIAL INFORMATION:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEAN-UP PROCEDURES: Evacuate unprotected personnel from the area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in section 8. Contain and recover liquid if possible. Use non-sparking tools and equipment. Cover spilled liquid with sand or earth. Clean up spill immediately and place in appropriate containers. Do not discharge to sewers and surface waters. Notify authorities if entry occurs.

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U.S. Regulations (CERCLA) requires reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE CONDITIONS: Protect against physical damage. Store in a cool, dry well-ventilated location away from heat or ignition sources. Keep out of direct sunlight. Containers should be bonded and grounded for transfers to avoid static sparks. Keep containers tightly closed. Containers of this material may be hazardous when empty since they retain residues. Observe all warnings and precautions listed for the product.

HANDLING (PERSONNEL): Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapor or mists. Do not eat, drink or smoke in work area. Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS: See Section 2 above.

Kerosene CAS#6742-81-0:

-OSHA Permissible Exposure Limit (PEL): Not Established (TWA)

-ACGIH Threshold Limit Value (TWA): Not Established
100 ppm Recommended

2-Butoxyethanol:

-OSHA Permissible Exposure Limit (PEL): 50 ppm (TWA)

-ACGIH Threshold Limit Value (TWA): 20 ppm

Benzene CAS#71-43-2:

-OSHA Permissible Exposure Limit (PEL): 1 ppm (TWA)

-ACGIH Threshold Limit Value (TWA): 0.5 ppm

Cumene CAS#98-82-8:

-OSHA Permissible Exposure Limit (PEL): 50 ppm (TWA)

-ACGIH Threshold Limit Value (TWA): 50 ppm

Ethyl Benzene CAS#100-41-4:

-OSHA Permissible Exposure Limit (PEL): 100 ppm (TWA)

-ACGIH Threshold Limit Value (TWA): 100 ppm

N-Hexane CAS#110-54-3:

-OSHA Permissible Exposure Limit (PEL): 500 ppm (TWA)

-ACGIH Threshold Limit Value (TWA): 50 ppm

Naphthalene CAS#91-20-3:

-OSHA Permissible Exposure Limit (PEL): 10 ppm (TWA)

-ACGIH Threshold Limit Value (TWA): 10 ppm

Toluene CAS#108-88-3:

-OSHA Permissible Exposure Limit (PEL): 200 ppm (TWA)

-ACGIH Threshold Limit Value (TWA): 50 ppm

Xylene CAS#1330-20-7:

-OSHA Permissible Exposure Limit (PEL): 100 ppm (TWA)

-ACGIH Threshold Limit Value (TWA): 100 ppm

VENTILATION SYSTEM: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

PERSONAL RESPIRATORS (NIOSH APPROVED): If the exposure limit is exceeded and engineering controls

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are not feasible, a respirator may be required. Where respirators are required, you must have a written program covering the basic requirements in the OSHA respirator standard. These include training, fit testing, medical approval, cleaning, maintenance, cartridge change schedules, etc. See 29CFR1910.134 for details.

SKIN PROTECTION: Wear protective clothing, gloves, as appropriate.

EYE PROTECTION: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

GOOD HYGIENE CONDITIONS: Wash with soap and water before meals and at the end of each work shift. Good manufacturing practices require amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid.

ODOR: Kerosene Odor

SOLUBILITY IN WATER: Partial

MELTING POINT: NA

AUTO IGNITION TEMPERATURE: >444°F

pH: NE

VAPOR DENSITY: NE

COLOR: Amber

BOILING POINT: >325°F

SPECIFIC GRAVITY: 0.81 (Water =1)

EVAPORATION RATE (BuAc=1): NE

FLASH POINT: 142°F Minimum

VAPOR PRESSURE: 20 @158°F

10. STABILITY AND REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID: Heat, flame and ignition sources.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong oxidizers.

HAZARDOUS DECOMPOSITION: Carbon monoxide, carbon dioxide and other asphyxiants.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA:

No Data Available

Carcinogenic effects: Not available.

Mutagenic effects: Not available.

Teratogenic effects: Not available.

Cancer Lists

Ingredient

Naphthalene CAS# 91-20-3

---NTP Carcinogen---

Known

No

Anticipated

Yes

IARC Category

2B

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12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:

No Data available

ENVIRONMENTAL TOXICITY:

No Data available

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Recover, reclaim or recycle when practical.

Dispose of material in accordance with federal, state and local requirements. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and/or laws governing your location.

14. TRANSPORTATION INFORMATION

Domestic (Land, D.O.T.), International (Water, I.M.O.), International (Air, I.C.A.O.)

D.O.T. (USA) – Non-bulk containers (≤ 119 Gallons/450L) shipped road or rail are non-regulated

CLASS: 3

PRODUCT LABEL: Laser 3030

UN NUMBER: UN1993

PACKING GROUP: III

D.O.T. SHIPPING NAME: Combustible Liquid N.O.S. (Contains Kerosene)

PRODUCT RQ : 20L Passenger Aircraft, 220L Cargo Aircraft.

ERG Guide Number: 128

SUPPLEMENTAL HAZARD: None

15. REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

Chemical Inventory Status - Part 1

Ingredient	<u>TSCA</u>	<u>EC</u>	<u>Japan</u>	<u>Australia</u>
All Ingredients	YES	YES	YES	YES

Chemical Inventory Status - Part 2

Ingredient	<u>Korea</u>	<u>DSL</u>	<u>CANADA</u>	<u>Phil.</u>
All Ingredients	YES	YES	<u>NDSL</u>	YES

Federal, State & International Regulations - Part 1

Ingredient	<u>-SARA 302-</u>	<u>TPQ</u>	<u>List</u>	<u>-SARA 313-</u>
All Ingredients	<u>RQ</u>	NO	YES (see below)	<u>Chemical Catalog</u>
	NO	NO		NO

Ingredient	<u>CERCLA</u>	<u>-RCRA-</u>	<u>-TSCA-</u>
All Ingredients	YES (Benzene, Cumene, Ethyl Benzene, N-Hezane, Naphthalene,	<u>261.33</u>	<u>8(d)</u>
		NO	YES (N,Hexane, Naphthalene, Toluene)

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Toluene, Xylene)

This product does have a component(s) which are subject to SARA 313 Annual Reporting Requirements: Trimethylbenzene CAS# 95-63-6 <4%, 2-Butoxyethanol, CAS# 111-76-2 <15%, Benzene CAS#108-67-8 <2%, Toluene CAS#108-88-3 <1%, Naphthalene CAS#91-20-3 <1%, Ethylbenzene CAS#100-41-4 <2%

Chemical Weapons Convention: No **TSCA 12(b):** Yes (Xylene) **CDTA:** No
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: Yes
Clean Air Act (CAA) 112 regulated flammable substances: Yes
Clean Air Act (CAA) 112 regulated toxic substances: Yes

CERCLA RQ Reportable Quantities: Xylene 100 Lbs, Ethylbenzene 1000 Lbs, Toluene 1000 Lbs, Styrene 1000 Lbs, Benzene 10 Lbs, Naphthalene 100 Lbs, Cumene 5000 Lbs, Maleic Anhydride 5000 Lbs.

SARA 311/312: Acute: Yes Chronic Yes Fire: Yes Pressure: No
Reactivity: No (Pure / Liquid)

STATE REGULATIONS:

PROP 65 - WARNING:

THIS PRODUCT DOES CONTAIN A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Benzene CAS#71-43-2, Naphthalene CAS#91-20-3, Ethylbenzene CAS#100-41-4, Toluene CAS#108-88-3.

WARNING! THIS PRODUCT CONTAINS INGREDIENTS THAT ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE HARM.

CANADIAN REGULATIONS:

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS Ingredient Disclosure: Benzene, Cumene, Ethyl Benzene, N-Hexane, Naphthalene, Toluene.

WHMIS Classification: Class B Division 3 Combustible Material with flash point between 100°F and 200°F. Class D Division 2B Materials causing other toxic effects.

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS). Other inventory lists:, Korea (TCCL), Australia (AICS), China (Draft), PICCS (Philippines-RA6969), Japan (ENCS METI/MOL).

16. OTHER INFORMATION

Hazardous Material Information System (HMIS):	Health	1
	Flammability	2
	Reactivity	0
	Personal Protection	B

National Fire Protection Association (NFPA) 1-Health, 2-Flammability, 0-Reactivity

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NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

Protective Equipment: GOGGLES & SHIELD; PROPER GLOVES;

Prepared By: Paul Eigbrett (MSDS Authoring Services PLUS)

Date: November 12, 2010

Part Number: 3030

Supersedes Date: New

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2004)

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Primrose Oil Company, Inc. The data on this sheet is related only to the specific material designated herein. Primrose Oil Company, Inc. assumes no legal responsibility for use or reliance upon this data.

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END OF MSDS